

**IN THE CLAIMS**

The following claims are pending.

**1-29.** (canceled)

**30.** (original) A toroidal winding assembly comprising: a winding core; and at least one electrical conductor wound around said winding core to form a longitudinal assembly; said winding core comprising a substantially non-ferromagnetic core material; and said longitudinal assembly being bent to form a generally toroidal assembly and having a first assembly end bonded to a second assembly end.

**31.** (withdrawn) The toroidal winding assembly of claim 30 wherein said core material comprises a core polymer.

**32.** (withdrawn) The toroidal winding assembly of claim 31 wherein said core polymer comprises 100 parts of diglycidyl ether of bisphenol A and 10 parts of diethylene triamine.

**33.** (withdrawn) The toroidal winding assembly of claim 31 wherein said core polymer comprises a rubber.

**34.** (original) The toroidal winding assembly of claim 30 further comprising a motion constraining material coating said longitudinal assembly.

**35.** (original) The toroidal winding assembly of claim 34 wherein said motion constraining material comprises a coating polymer.

**36.** (original) The toroidal winding assembly of claim 35 wherein said coating polymer comprises gelatin and ammonium dichromate.

**37. (original)** The toroidal winding assembly of claim 35 wherein said coating polymer comprises polychloroprene.

**38. (original)** The toroidal winding assembly of claim 35 wherein said coating polymer comprises styrene-butadiene-styrene co-polymer.

**39. (original)** The toroidal winding assembly of claim 30 wherein: said longitudinal assembly further comprises a winding support layer having a plurality of winding grooves, said winding support layer being disposed on said winding core; and said at least one conductor is wound in said winding grooves.

**40. (withdrawn)** The toroidal winding assembly of claim 30 wherein said longitudinal assembly further comprises an outer shell surrounding said winding core and said at least one conductor.

**41. (withdrawn)** The toroidal winding assembly of claim 40 wherein said outer shell comprises an outer shell material adapted to contract upon exposure to a contraction stimulus.

**42. (withdrawn)** The toroidal winding assembly of claim 40 wherein said longitudinal assembly further comprises a filler material filling an annular gap between said winding core and said outer shell.

**43. (withdrawn)** The toroidal winding assembly of claim 40 wherein said filler material comprises a filler polymer.

**44. (withdrawn)** The toroidal winding assembly of claim 43 wherein said filler polymer comprises solvent cast polychloroprene.

**45-46. (canceled)**